

Docket No. 424 – Development and Management Plan Inspection

The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the Connecticut portion of the Interstate Reliability Project.

IRP Overhead ROW

Interim Week Inspection:

Date: September 3, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.60" on 9/1/14

Locations Inspected (by Town, Map Sheet, and Structure Number/Site – reference Feb., 2014 D&M Plans):

Card Street Substation, Lebanon CT (CSSS)
Columbia, CT: MS 2-4 of 66 (Str. 7-22)
Coventry, CT: MS 5-7 of 66 (Str. 23-34)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Hampton, CT: MS 24-31 of 66 (Str. 124-161)
Brooklyn, CT: MS 31-44 of 66 (Str. 162-223)

Work Observed: (by Map Sheet and Structure Number / Site)

CSSS: Non-project related work inside station.

MS3, Str 15: Installing structure poles.

MS7, Str 34: Drilling operations.

MS9, Str 49: Drilling operations.

MS12, Str 64: Drilling operations.

MS13, Str 68: Drilling operations, setting direct embed structures and backfilling.

MS30, Str 159: Rough grading of Str pad 159.

MS31, Str 164-165: Delivery of materials, grading and compacting Str pad 164 and Str pad 165.

MS33, Str 170-171: Hammering rock at Str pad 170, delivery of materials, compacting and grading Str pad 171.

MS35, Str 179-183: Clearing operations, chipping brush at Str 181, delivery of construction materials, building of access road down-line of Str 183.

MS36, Str 187-188: Clearing operations with feller/buncher.

IRP Overhead ROW

Bi-Weekly Week Inspection:

Date: September 10, 2014

Inspector: John Corbo, E.I.T.

Rain Event: 0.04" on 9/7/14

Locations Inspected (by Town, Map Sheet, and Structure Number/Site – reference Feb., 2014 D&M Plans):

Card Street Substation, Lebanon CT (CSSS)
Lebanon, CT: MS 1 of 66 (Str. 1-6)
Coventry, CT: MS 5-7 of 66 (Str. 25-34)
Mansfield, CT: MS 8-17 of 66 (Str. 36-91)
Brooklyn, CT: MS 31-44 of 66 (Str. 162-223)

Work Observed: (by Map Sheet and Structure Number / Site)

CSSS: Non-project related work inside station.

MS1, Str 3-4: Preparing site for conductor pull operations.

MS6, Str 31: Installation of rock anchors.

MS7, Str 33: Demobilizing of drilling equipment, erection of Str 33.

MS9, Str 46: Installation of cross braces on Str 46.

MS12, Str 63: Drilling operations.

MS16, Str 80: Erection of Str 80.

MS17, Str 86: Reclamation and restoration of Str pad 86 and access road, seeding and spreading of hay on exposed soil. (Photo 4 & 5)

MS35, Str 179-181 & 184-185: Installation of roads and pads, hammering of ledge at Str 180. Delivery of construction materials, compaction of access road and installation of str pad 184 & 185.

MS36, Str 186 & 188-190: Clearing operations at Str 186, clearing operations up-line of Str 188, chipping brush into truck at Str 190.

MS38, Str 197: Installation of Str pad 197.

Areas of Inspection		Observation:	Recommended Action:	Corrected Action:
Access Roads and Adjacent Roadways	Interim Week (9/3)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (9/10)	Adjacent roadways clear and free of sediment at all visited sites.	Continue to follow this procedure.	NA
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week (9/3)	Project clearing observed during inspection appears to be in accordance with D & M plans. Clearing crews utilizing timber mats in wet areas to prevent unnecessary rutting.	NA NA	NA NA
	Bi-Week (9/10)	Project clearing observed during inspection appears to be in accordance with D & M plans. Clearing crews utilizing timber mats in wet areas to prevent unnecessary rutting.	NA NA	NA NA
Water Crossings	Interim Week (9/3)	All crossings appear to be functioning in accordance with the BMP Manual. No sediment appears to be entering the streams or wetlands.	Continue to follow this procedure.	NA

	Bi-Week (9/10)	All crossings appear to be functioning in accordance with the BMP Manual. No sediment appears to be entering the streams or wetlands.	Continue to follow this procedure.	NA
Erosion and Sedimentation Controls	Interim Week (9/3)	Noted that stockpile areas along ROW are being surrounded with straw wattles and stabilized with blown straw.	Continue to follow this procedure.	NA
		Str 49: Observed two (2) pad-stone cave-ins and a separation between filter fabric layers on edge of wetland mats. There was no observed discharge into wetland. (Photo 2, 3 & 4)	NA	Northern crew repaired separated fabrics, cave-ins areas with new stone and added straw bales on the down-gradient pad edge for additional protection. (Photo 2, 3 & 4)
		Str 64: Child pool under machinery for precautionary measures at Str 64.	Continue to follow this procedure.	NA
Erosion and Sedimentation Controls	Bi-Week (9/10)	Str 164: Observed damaged silt fence up-line of Str 164. (Photo 7 & 8)	NA	Northern crew immediately repaired damaged silt fence.
		Str 63: Child pool under machinery for precautionary measures at Str 63. (Photo 11)	Continue to follow this procedure.	NA
		Str 86: spreading of hay and seeding on exposed topsoil. (Photo 6)	Continue to follow this procedure.	NA
Erosion and Sedimentation Controls	Bi-Week (9/10)	Str 147: Additional straw bale reinforcement and stone berm installed to support silt fence up-slope of wetland area.	Continue to follow this procedure.	NA
Inland Wetland and Watercourse encroachment and mitigation	Interim Week (9/3)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	NA

	Bi-Week (9/10)	Mat installations in wetland areas are in accordance with the BMP Manual.	Continue to follow this procedure.	NA
Spills and Material Storage.	Interim Week (9/3)	Spill kits noted on all visited sites.	Continue to follow this procedure.	NA
	Bi-Week (9/10)	Spill kits noted on all visited sites.	Continue to follow this procedure.	NA
Cultural Resources	Interim Week (9/3)	Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material.	NA	NA
	Bi-Week (9/10)	Pads in cultural areas are being installed with a geotextile separation fabric and sand buffer layer prior to the installation of the pad material. Str 86: Removal of pad, geotextile fabrics and sand buffer layer at Str 86 for restoration and reclamation. (Photo 5)	Continue to follow this procedure.	NA
Rare, Threatened, and Endangered Species	Interim Week (9/3)	NA	NA	NA

	Bi-Week (9/10)	NA	NA	NA
<p>Additional Documentation Comments:</p> <p>Notes for 9/3/2014:</p> <ul style="list-style-type: none"> • CSSS: Non-project related work going on inside station. • Drilling operations ongoing at Str 34, Str 49, Str 64, and Str 68. <p>Notes for 9/10/2014:</p> <ul style="list-style-type: none"> • CSSS: Non-project related work going on inside station. • Drilling operations ongoing at Str 63. • Str 86: Portion of construction pad has been removed, restored, and stabilized with hay back to their pre-construction grades and slopes. (Photo 5 & 6) • Str 147: Observed additional erosion control measures at Str 147. (Photo 9 & 10) 				
<p>Open Items from previous inspections:</p> <p>Closed Items from previous inspections:</p>				

Next likely scheduled inspection: September 17, 2014

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Independent Field Inspector: *John M. Corbo, EIT 9/11/2014*

Owner's Field Inspector: _____

Reviewer: *Paul Knapik 9/22/2014*



Photo #1: Slope stabilization on northern perimeter of CSSS. (9/3)



Photo #2: Observed cave-in on edge of wetland mats at Str 49. (9/3)



Photo #3: Repaired cave-in on edge of wetland mats at Str 49. (9/3)



Photo #4: Addition of hay bales to prevent potential future problems at Str 49. (9/3)



Photo #5: Removal of construction pad, geotextile fabric, and sand buffer layer at Str 86.



Photo #6: Spreading of hay and seed on restored Str pad 86.



Photo #7: Damaged silt fence up-line of Str 164. (9/3)



Photo #8: Repaired silt fence up-line of Str 164. (9/3)



Photo #9: Addition of stone berm for added erosion control measures at Str 147.



Photo #10: Addition of hay bales to reinforce silt fence and hay spread on slope for stabilization at Str 147.



Photo #11: Child pool under drilling machinery for precautionary measures at Str 63.



Photo #12: Tree clearing with feller/buncher at Str 187. (9/3)